



Image may be representation.  
See specifications for product details.



## PIC16F1783-I/SS

Manufacturer Part Number	<b>PIC16F1783-I/SS</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-PIC16F1783-I/SS
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 7KB FLASH 28SSOP
Package	28-SSOP (0.209", 5.30mm Width)
Data sheet	<b>PIC16(L)F1782,83.pdf</b> <b>PIC16F178(2,3) Brief.pdf</b>
RoHs Status	ROHS3 Compliant

**Get a Quote**

PIC16F1783-I/SS - Microchip Technology. New Original in Stock. Download Linear Technology PIC16F1783-I/SS datasheet/specifications on AllelcoElec.com. Request a quote for PIC16F1783-I/SS, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

PIC16F1783-I/SS Tech Specifications

PIC16F1783-I/SS - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	28-SSOP	Number of I/O	24
Speed	32MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ 16F	EEPROM Size	256 x 8
RAM Size	512 x 8	Data Converters	A/D 11x12b; D/A 1x8b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	7KB (4K x 14)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, POR, PSMC, PWM, WDT	Connectivity	I²C, LINbus, SPI, UART/USART
Package / Case	28-SSOP (0.209", 5.30mm Width)	Base Product Number	PIC16F1783
Package	Tube		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F1783-I/SS

Product Attribute				
Part Number	PIC16F1783-I/SS	<b>PIC16F1786-I/SS</b>	<b>PIC16F1783-I/MV</b>	<b>PIC16F1779-I/ML</b>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Connectivity	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART
Base Product Number	PIC16F1783	PIC16F1786	PIC16F1783	PIC16F1779
Number of I/O	24	24	24	36
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F
Package / Case	28-SSOP (0.209", 5.30mm Width)	28-SSOP (0.209", 5.30mm Width)	28-UQFN Exposed Pad	44-VQFN Exposed Pad
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Program Memory Size	7KB (4K x 14)	14KB (8K x 14)	7KB (4K x 14)	28KB (16K x 14)
RAM Size	512 x 8	1K x 8	512 x 8	2K x 8
Supplier Device Package	28-SSOP	28-SSOP	28-UQFN (4x4)	44-QFN (8x8)
Data Converters	A/D 11x12b; D/A 1x8b	A/D 11x12b; D/A 1x8b	A/D 11x12b; D/A 1x8b	A/D 28x10b; D/A 4x5b, 4x10b
EEPROM Size	256 x 8	256 x 8	256 x 8	128 x 8
Speed	32MHz	32MHz	32MHz	32MHz
Peripherals	Brown-out Detect/Reset, POR, PSMC, PWM, WDT	Brown-out Detect/Reset, POR, PSMC, PWM, WDT	Brown-out Detect/Reset, POR, PSMC, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V
Core Processor	PIC	PIC	PIC	PIC
Package	Tube	Tube	Tube	Tube
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)

## PIC16F1783-I/SS Datasheet PDF

Download PIC16F1783-I/SS pdf datasheets and Microchip Technology documentation for PIC16F1783-I/SS - Microchip Technology.

### PCN Packaging

Label and Packing Changes 23/Sep/2015.pdf

Packing Changes 10/Oct/2016.pdf

### PCN Assembly/Origin

2.73KHz.pdf

## PCN Design/Specification



Copper Bond Wire 17/Dec/2014.pdf

## HTML Datasheet



PIC16(L)F1782,83.pdf



PIC16F178(2,3) Brief.pdf

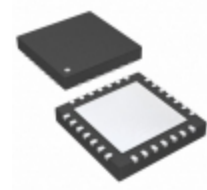
## Customers Also Interested in

### Recommended Products



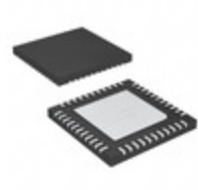
#### PIC16F1786-I/SS

Microchip Technology  
IC MCU 8BIT 14KB FLASH 28SSOP



#### PIC16F1783-I/MV

Microchip Technology  
IC MCU 8BIT 7KB FLASH 28UQFN



#### PIC16F1779-I/ML

Microchip Technology  
IC MCU 8BIT 28KB FLASH 44QFN



#### PIC16F1783T-I/SS

Microchip Technology  
IC MCU 8BIT 7KB FLASH 28SSOP



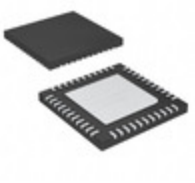
#### PIC16F1782T-I/SO

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 28SOIC



#### PIC16F1782-I/SS

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 28SSOP



#### PIC16F1779T-I/ML

Microchip Technology  
IC MCU 8BIT 28KB FLASH 44QFN



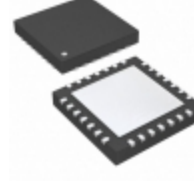
#### PIC16F1779-I/PT

Microchip Technology  
IC MCU 8BIT 28KB FLASH 44TQFP



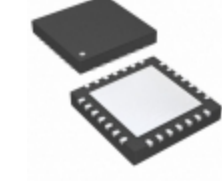
#### PIC16F1784-E/PT

Microchip Technology  
IC MCU 8BIT 7KB FLASH 44TQFP



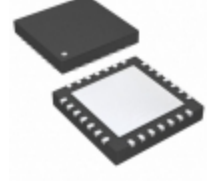
#### PIC16F1783T-I/ML

Microchip Technology  
IC MCU 8BIT 7KB FLASH 28QFN



#### PIC16F1783T-I/MV

Microchip Technology  
IC MCU 8BIT 7KB FLASH 28UQFN



#### PIC16F1782-I/ML

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 28QFN



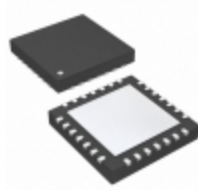
#### PIC16F1784-I/MV

Microchip Technology  
IC MCU 8BIT 7KB FLASH 40UQFN



#### PIC16F1784T-I/MV

Microchip Technology  
IC MCU 8BIT 7KB FLASH 40UQFN



#### PIC16F1782T-I/MV

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 28UQFN



#### PIC16F1784-E/MV

Microchip Technology  
IC MCU 8BIT 7KB FLASH 40UQFN



#### PIC16F1778-E/SS

Microchip Technology  
IC MCU 8BIT 28KB FLASH 28SSOP



#### PIC16F1779-I/P

Microchip Technology  
IC MCU 8BIT 28KB FLASH 40DIP

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

- > Use your express account for shipment if you have one.
  - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

### Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference

Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference

Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

## Payment Support

The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



## Your Faithful Supply Chain Partner -



Efficient Supply Management



Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@allelco.com

## Certifications & Memberships



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